

IN THE CLAIMS:

Please CANCEL without prejudice or disclaimer claims 1-12 the underlying PCT application and ADD new claims 13-28 in accordance with the following:

Claims 1-12 (cancelled)

13. (new) A method for operating a mobile radio system in which the signals to be transmitted to subscriber stations are amplified in a power amplifier, comprising:

detecting a measure of the working load of the power amplifier; and

transmitting the measure of the working load to a central control unit of the mobile radio system.

14. (new) A method according to claim 13,

wherein the power amplifier is located in a radio cell of the mobile radio system, and

wherein the central control unit is located outside the radio cell.

15. (new) A method according to claim 14, wherein the measure of the working load of the power amplifier is dependent both on an output power currently made available by the power amplifier and on a maximum admissible output power of the power amplifier.

16. (new) A method according to claim 15, wherein a plurality of power amplifiers are used for amplifying the signals to be transmitted to the subscriber stations, and

wherein said detecting detects at least one measure of the working load of the power amplifiers.

17. (new) A method according to claim 16, wherein the measure of the working load of each of the power amplifiers is detected.

18. (new) A method according to claim 17,

wherein said detecting determines the measure of the working load of the power amplifiers having a largest value, and

wherein said transmitting sends the measure with the largest value to the central control unit.

19. (new) A method according to claim 18, further comprising detecting a measure of the working load of a radio cell in which the power amplifiers are located, in addition to the measure of the working load of the power amplifiers, and transmitting the measure of the working load of the radio cell to the central control unit.

20. (new) A method according to claim 19, wherein the measure of the working load of the radio cell is dependent on both a sum of the output powers currently made available by all power amplifiers of the radio cell, and also on a maximum admissible sum of the output powers of the power amplifiers.

21. (new) A method according to claim 20, further comprising determining which of the measure of the working load of at least one of the power amplifiers and the measure of the working load of the radio cell has a greater value, and

wherein only one of said transmitting of the measure of the working load of the at least one of the power amplifiers to the central control unit and said transmitting of the measure of the working load of the radio cell to the central control unit is performed each time said determining determines which has the greater value.

22. (new) A method according to claim 21, further comprising deciding on a distribution of signals to be transmitted using the power amplifiers based on the measures of the working load transmitted to the central control unit.

23. (new) A mobile radio system having a central control unit and subscriber stations, comprising:

at least one power amplifier amplifying signals to be transmitted to the subscriber stations;

a detection unit detecting a measure for the working load of at least one the power amplifier; and

a transmission unit transmitting the measure to the central control unit of the mobile radio system.

24. (new) A mobile radio system according to claim 23, wherein the measure of the working load of said at least one power amplifier is dependent both on an output power currently made available by said at least one power amplifier and on a maximum admissible output power of said at least one power amplifier.

25. (new) A mobile radio system according to claim 24,
wherein said at least one power amplifier includes a plurality of power amplifiers amplifying the signals to be transmitted to the subscriber stations, and
wherein said detection unit detects at least one measure of the working load of the power amplifiers.

26. (new) A base station for a mobile radio system having a central control unit and subscriber stations, comprising:
at least one power amplifier amplifying signals to be transmitted to the subscriber stations;
a detection unit detecting a measure for the working load of the at least one power amplifier; and
a transmission unit transmitting the measure to the central control unit of the mobile radio system.

27. (new) A base station according to claim 26, wherein the measure of the working load of said at least one power amplifier is dependent both on an output power currently made available by said at least one power amplifier and on a maximum admissible output power of said at least one power amplifier.

28. (new) A base station according to claim 27,
wherein said at least one power amplifier includes a plurality of power amplifiers amplifying the signals to be transmitted to the subscriber stations, and
wherein said detection unit detects at least one measure of the working load of the power amplifiers.